

**COMMANDER, SPACE AND MISSILE TEST ORGANIZATION****COMMANDER  
CONSOLIDATED SPACE TEST CENTER**

AA

(CC)

**SPECIAL ASSISTANT  
FOR TRANSITION AND INTEGRATION**

AA

(BJ)

**SENIOR ENLISTED ADVISOR**

AA

(CMS)

**VICE COMMANDER**

AA

(CV)

**HISTORY OFFICE**

AA

(HO)

### COMMANDER, CONSOLIDATED SPACE TEST CENTER

Responsible to the Commander, Space and Missile Test Organization, for the management, planning, design, development, procurement, operation, maintenance, and evaluation of Consolidated Space Test Center (CSTC) to support on-orbit multisatellite operations. Exercises command over the CSTC and manages system engineering and technical direction activities of the Aerospace Corporation Satellite Control Office. Provides for coordination with system program offices and other agencies, as necessary, to ensure timely and adequate satellite control capability for current and future assigned space projects.

### SPECIAL ASSISTANT FOR TRANSITION AND INTEGRATION

Represents and advises the CSTC Commander on all matters relative to the Data System Modernization (DSM) transition effort. Chairs the CSTC/DSM Integration Committee and coordinates the transition activities of all CSTC offices. Acts as a technical advisor to the CSTC Command Section.

### SENIOR ENLISTED ADVISOR

Serves as the primary advisor for the CSTC Commander on matters concerning the enlisted personnel. Maintains communications liaison between the command and enlisted force. Advises Commander of specific problems relating to morale and attitudes of the enlisted force. Hears complaints, then takes necessary investigative action to resolve the grievance. Ensures Commander's staff is aware of special interest items and problem areas affecting enlisted personnel. Serves on the NCO PME selection boards. Manages Airman/NCO quarterly awards program. Supports retention programs.

### VICE COMMANDER

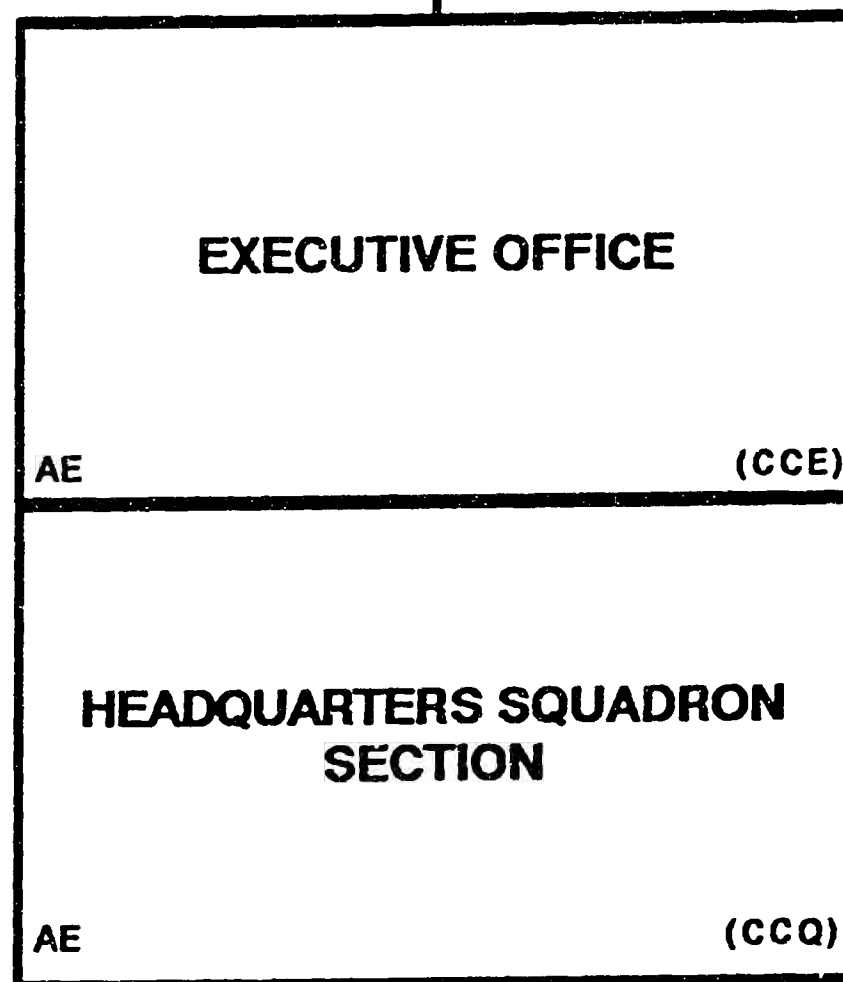
Assists and represents the Commander in performance of command functions and assumes command in the absence of the Commander. Serves as the CSTC Inspector General and is responsible for Congressional inquiries.

1 January 1988

HISTORY OFFICE

Responsible for CSTC's history program. Evaluates and interprets documents and other evidence to prepare an accurate, comprehensive, and descriptive account of CSTC's mission accomplishments. Ensures staff agency and subordinate unit programs are conducted according to the concepts and procedures established in pertinent regulations and according to accepted professional standards. Critiques all subordinate history products. Attends staff and other meetings of a policy-making nature. Notes data and ensures documents are collected to effectively record the history of the CSTC. Compiles chronologies and includes them in annual history. Schedules the publication of monographs, studies, and other historical publications. Preserves in archives historical materials selected for their corporate memory value. Performs authorized special research as required by the Commander, staff agencies, other Air Force and government agencies, or individuals. Records the type of service provided and submits periodic reports to HQ AFSC/HO.

# **COMMANDER, CONSOLIDATED SPACE TEST ORGANIZATION**

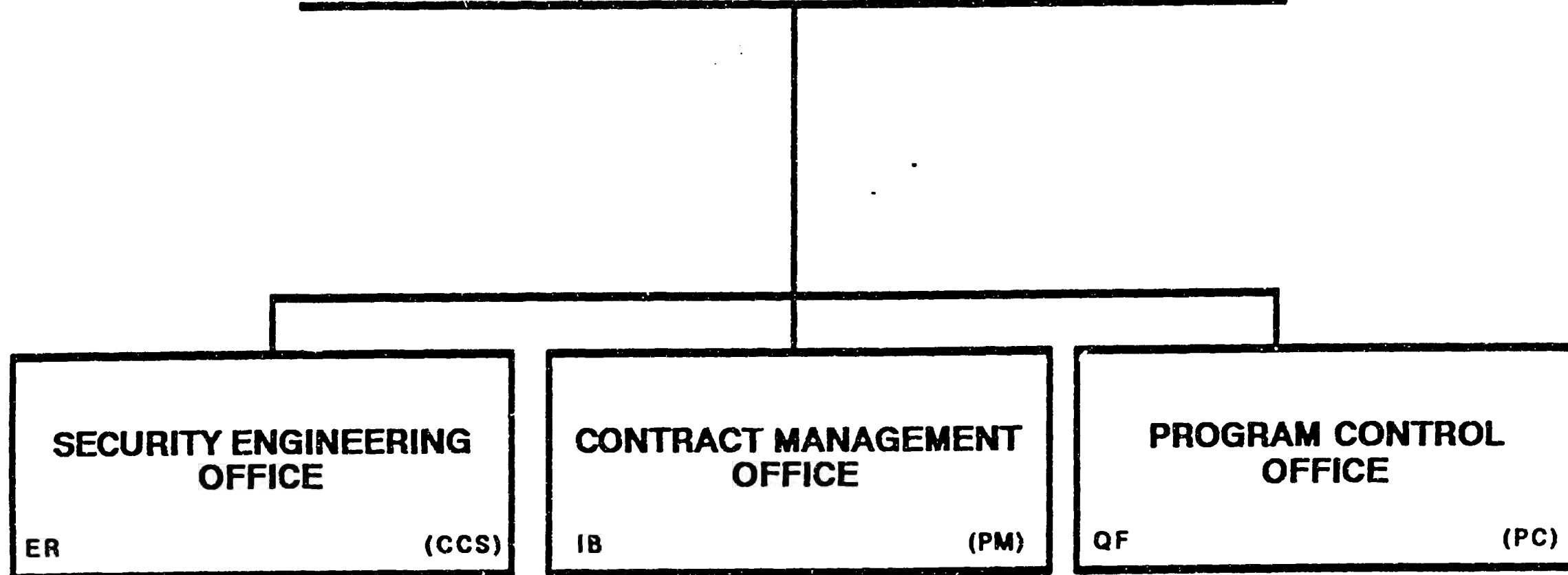


## EXECUTIVE OFFICE

Directs and coordinates the activities of the functions assigned to the Executive Office. Assists staff, directorates, and operating elements to resolve matters not requiring decision by the Commander. Develops and promulgates administrative policies, plans, and procedures for the Commander. Transmits decisions, plans, and policies of the Commander to the staff, directorates, and operating elements. Ensures that all activities of the Commander are properly coordinated. Maintains up-to-date Consolidated Space Test Center policy files and provides copies of all applicable policies to subordinate activities. Coordinates visitor control requests. Serves as CSTC Protocol and Public Affairs Office.

## HEADQUARTERS SQUADRON SECTION

Supervises unit activities pertaining to personnel, counseling, military training, discipline, and morale. Supervises all administrative functions of the Orderly Room. Instructs training techniques and methods, provides On-The-Job training advisory services, develops and manages training programs, and supervises training activities and personnel.

**COMMANDER, CONSOLIDATED SPACE TEST CENTER**

## SECURITY ENGINEERING OFFICE

Serves as focal point for Systems Security Engineering Management (SSEM) for projects assigned to the Consolidated Space Test Center (CSTC). Coordinates SSEM efforts for CSTC projects with those of other programs. Advises the CSTC Commander and staff on matters pertaining to the USAF Weapon System Security Program, Resource Protection Program, Information Security Program, Industrial Security Program, and the AFSC Product Security Program. Provides field units with staff support and assistance in security police functions through staff assistance visits, and serves as focal point for CSTC security and law enforcement programs. Interacts with host units to insure that CSTC unique requirements are satisfied. Provides intermediate headquarters guidance on employment of manpower, facilities, and equipment for protection of USAF resources. Serves as focal point for CSTC personnel security, information security, industrial security, and security education and motivation programs. Prepares and edits operations plans, regulations, supplements, and operating instructions.

## CONTRACT MANAGEMENT OFFICE

Responsible for Consolidated Space Test Center (CSTC) acquisition of services and supplies in accordance with applicable regulations. Represents the Commander in matters pertaining to contracting and manufacturing. Manages CSTC contract administration and coordinates activities with other contract administration offices. Performs review of contractual documents to determine compliance with established policies. Approves documents within authority and recommends approval or disapproval of others. Acts as advisor on specific acquisition problems. Provides advice, counsel, and services in support of realistic pricing of contractual actions. Determines standards, methods, and techniques for the evaluation of cost or pricing data. Participates in source selection procedures and in contract negotiation.

1 January 1988

PROGRAM CONTROL OFFICE

Responsible for the overall financial planning of the Consolidated Space Test Center (CSTC). Exercises technical and financial supervision over the CSTC Appropriated Fund programs. Manages the formulation, justification, presentation, execution, and review of CSTC budget submissions and financial plans. Provides policies and procedures for the development of budget estimates and funding of approved programs and projects. Monitors the execution of approved programs and provides analysis of commitments, obligations, and expenditures. Correlates funding trends to projected operating costs. Acts as the focal point for all program control actions among the CSTC, HQ USAF, HQ AFSC, and HQ SD. Advises and assists directorate and staff office management in estimating and budgeting for fiscal year requirements involving all appropriations. Monitors the Aerospace Corporation contract in terms of requirements, financial status, and contractor performance. Liaison for the General Accounting Office (GAO) and Air Force Audit Agency visits. Administers the overall CSTC Internal Control Review program.



**COMMANDER, CONSOLIDATED SPACE TEST CENTER****DIRECTORATE OF DATA SYSTEMS**

BW

(DS)

**MANAGEMENT  
SERVICES DIVISION**

BWT

(DST)

**FLIGHT OPERATIONS  
DIVISION**

BWO

(DSO)

**FLIGHT SUPPORT  
DIVISION**

BWF

(DSF)

**DISPLAY  
MAINTENANCE DIVISION**

BWD

(DSD)

## **DIRECTORATE OF DATA SYSTEMS**

Operates the Consolidated Space Test Center (CSTC) data systems and associated equipment. Provides centralized computer support for the CSTC. Operates a magnetic disk/tape library. Standardizes procedures and analyzes Data System Operations. Performs administrative support for all division personnel. Isolates data systems problems. Identifies software problems. Coordinates on Satellite Test Center Operations Manual (STCOM) chapters which apply to division operations. Monitors contract operations and maintenance of the Network Interface Data System (NIDS) and Command Data Processing Area (CDPA). Identifies problems in real-time (UNIVAC 1230 MTC) software.

## **MANAGEMENT SERVICES DIVISION**

Manages, operates, and maintains a magnetic tape and disk library. Performs production control and data distribution. Provides tape rehabilitation services. Maintains expendable computer supplies for the Data Systems Directorate.

## **FLIGHT OPERATIONS DIVISION**

Manages, directs, and controls real-time data processing systems. Provides 24-hour support for satellite operations and program development activities. Establishes real-time operating procedures and develops new techniques and operating procedures.

## **FLIGHT SUPPORT DIVISION**

Manages, directs, schedules, and controls the flight support data processing systems and off-line computers. Provides 24-hour support for satellite operations and program development activities. Establishes flight support operating procedures; promotes development of new techniques, operating procedures, and data systems designs. Manages the flight support computer schedule. Resolves computer operating problems. Directs analysis of flight support data processing systems.

## **DISPLAY MAINTENANCE DIVISION**

Maintains closed circuit television, optical projection, and ancillary equipment at Onizuka AFB. Installs hardware modifications. Fabricates and installs cable assemblies.

**COMMANDER, CONSOLIDATED SPACE TEST CENTER****DIRECTORATE OF  
TEST OPERATIONS**

BV

(VO)

**FLIGHT DIRECTOR  
OFFICE**

BVA (VOA)

**BACKUP AND  
CONTINGENCY  
DIVISION**

BVB (VOB)

**PROGRAM D  
SATELLITE DIVISION**

BVD (VOD)

**PROGRAM E  
SATELLITE DIVISION**

BVE (VOE)

**SPECIAL  
PROGRAMS  
DIVISION**

BVF (VOF)

**INTER - RANGE  
OPERATIONS**

BVI (VOI)

**MOBILE/REMOTE  
SYSTEMS DIVISION**

BVM (VOM)

**RESOURCE  
MANAGEMENT  
DIVISION**

BVR (VOR)

**SHUTTLE/IUS  
OPERATIONS  
DIVISION**

BVS (VOS)

**MILSTAR  
OPERATIONS  
DIVISION**

BVX (VOX)

## DIRECTORATE OF TEST OPERATIONS

Responsible to the CSTC Commander for test operations mission accomplishment through subordinate divisions. The Directorate is the single manager for all mission control of all CSTC controlled space programs. Is responsible for all operational planning, readiness, real-time on-orbit operations, and evaluation activity required to support assigned programs. Responsible for the daily management of the Satellite Test and Engineering Contract (STEC). Responsible for planning, management, and application of all CSTC/VO resources.

### FLIGHT DIRECTOR OFFICE

Responsible to plan, manage, and lead the CSTC readiness and operational activities in support of Space Transportation System (STS) missions involving DoD payloads and/or the Inertial Upper Stage (IUS). Primary interface with NASA, Space Division, and external agencies on all operations planning and preparation activities for DoD STS flights supported by CSTC. Directs real-time operations of the CSTC Flight Control Team during the STS/IUS mission phases.

### BACKUP AND CONTINGENCY DIVISION

Responsible to the Directorate for the management and accomplishment of backup operational support for designated satellite programs whose primary support is provided by Air Force Space Command's Consolidated Space Operations Complex (CSOC). Provides primary support, including launch and early orbit checkout, for the British SKYNET program. Interfaces with Space Division, Air Force Space Command, contractors, and external agencies as required to ensure that the necessary support is identified, planned, scheduled, and provided. Leads the CSTC planning and implementation of contingency plans to maintain essential operational capabilities in the event of natural disasters or hostile actions.

### PROGRAM D SATELLITE DIVISION

Responsible to the Directorate for overall mission accomplishment and management of three spacecraft programs within the division. The mission director is responsible for insuring that program objectives are accomplished. Is the official interface with program offices, contractors, and outside agencies on program peculiar operational matters. Resolves network resource conflicts with other programs. Monitors contractor performance on the operational and technical support contract relative to the division. Manages the mission control force in the overall planning, integration, implementation, and execution of all readiness on-orbit operations, and off-line functions. Assists in the planning and implementation of primary operational support responsibility from the CSTC to the CSOC.

### PROGRAM E SATELLITE DIVISION

Responsible to the Directorate for overall mission accomplishment and management of five spacecraft programs, including NATO and United Kingdom programs. The mission director is responsible for insuring program objectives are accomplished. Monitors contractor performance under the operations and technical support contract relative to the division. Resolves network resource conflicts with other programs. Is the official point of interface with program offices, users, contractors, and outside agencies on program peculiar operational matters. Manages the mission control force in the overall planning, integration, implementation, and execution of all readiness on-orbit operations, and off-line functions. Assists in the planning and implementation of primary operational support responsibility from the CSTC to the CSOC.

### SPECIAL PROGRAMS DIVISION

Responsible to the Directorate for overall mission accomplishment and management of all spacecraft programs assigned to the Division. The mission director is responsible for insuring program objectives are accomplished. Monitors contractor performance under the operations and technical support contract relative to the Division. Resolves network resource conflicts with other programs. Is the official point of interface with program offices, users, contractors, and outside agencies on program peculiar operational matters. Manages the mission control force in the overall planning, integration, implementation, and execution of all readiness orbital operations, and off-line functions. Coordinates operational requirements with the program office and user agencies.

### INTERRANGE OPERATIONS DIVISION

Responsible to the Directorate for providing liaison between the CSTC and over 100 other space related organizations for launch and on-orbit support of DoD space operations. Provides support for space range safety, satellite contingencies, early orbit determination, satellite position management, radio frequency interference, tracking and ephemeris data exchange, special projects, and engineering and computational activities. Manages and utilizes all applicable DoD resources in support of CSTC operations.

### MOBILE AND REMOTE SYSTEMS DIVISION

Responsible to the Directorate for the management and operation of, Camp Parks Communication Annex (CPCA), Mobile Tracking Station (MTS), Eastern Vehicle Checkout Facility (EVCF), Western Vehicle Checkout Facility (WVCF), and other mobile equipment/facilities which may be assigned to the CSTC. Ensures the MTS readiness status is maintained at a level necessary to support short notice deployments and subsequent 24 hour-a-day operations. Interfaces with program offices and other agencies to coordinate CPCA, EVCF, and WVCF operations scheduling, modifications, and use. Monitors contractor performance in support of CPCA, EVCF, and WVCF operations.

### RESOURCE MANAGEMENT DIVISION

Responsible to the Directorate for management of Deputate and CSTC resources necessary for accomplishment of mission support requirements. The Division will be the focal point for financial, acquisition, contract, civilian, and military personnel, logistics, automated data processing equipment, security, and support agreement management. Responsible for developing, preparing, coordinating, and implementing actions required to obtain the needed resources to support the mission of the CSTC.

### SHUTTLE/IUS OPERATIONS DIVISION

Responsible to the Directorate for management of CSTC support requirements for the Space Transportation System (STS), operation of the DoD Inertial Upper Stage (IUS), and other program support as assigned. The mission director is responsible for insuring that operational objectives are accomplished. Monitors contractor performance under the operations and technical support contract relative to the division. Manages realtime, off-line, and readiness functions of the mission control force to achieve operational objectives.

**MILSTAR OPERATIONS DIVISION**

Responsible to the Directorate for overall mission accomplishment of MILSTAR satellite operations at CSOC from initial activation of mission control complex through transfer of responsibility to Air Force Space Command. Interfaces with program offices, contractors, and outside agencies as required for the planning, readiness, and conduct of all operational support activities. Monitors contractor performance under the Satellite Test and Engineering Contract relative to the Division. Assists in the planning and implementation of operational responsibility from the CSTC to Air Force Space Command.

**COMMANDER, CONSOLIDATED SPACE TEST CENTER****DIRECTORATE  
OF  
TRAINING, ACTIVATION,  
AND EVALUATION**

BQ

(TX)

**EVALUATION DIVISION**

BQE

(TXE)

**SIMULATION DIVISION**

BQS

(TXS)

**TECHNICAL TRAINING  
DIVISION**

BQT

(TXT)



## DIRECTORATE OF TRAINING, ACTIVATION, AND EVALUATION

Responsible to the Commander, Consolidated Space Test Center (CSTC), for developing and implementing policies, procedures, and directives to ensure technical personnel are qualified to accomplish their mission. The Director is responsible for developing and conducting all initial and qualification classroom training. Administers a position certification program and is the focal point for evaluating all training activities. Administers the Acquisition Management Training Program. Plans the integration of simulation systems and coordinates simulation training with SPOs and NASA. Manages the development of simulation software and develops and conducts simulation training. Assesses performance during training exercises and operational missions. Monitors and coordinates simulation training conducted within each MCC. Conducts independent readiness assessments. Develops an evaluation plan for each program which identifies mission objectives to be evaluated. Evaluates overall MCT performance, reports results, and monitors corrective action.

### EVALUATION DIVISION

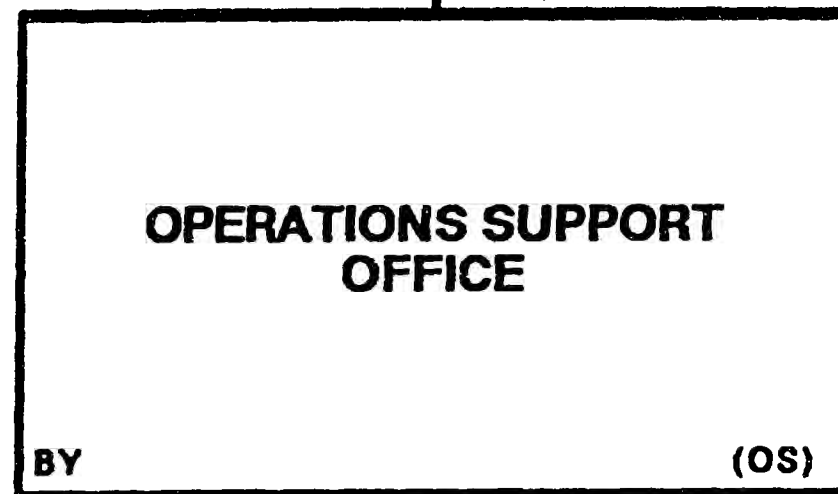
Performs training planning, engineering support, and evaluation functions. Identifies future CSTC training requirements and plans for new training programs to satisfy those requirements. Coordinates training programs with CSOC. Prepares CSTC Master Plan and Program Objective Memorandum (POM) initiatives to support training needs. Ensures full integration and utilization of training programs and materials. Schedules use of training facilities and equipment. Performs mission readiness assessments. Participates as a member of the Training Simulation Team to guide the development of evaluation requirements and schedules. Develops an evaluation plan for each program which defines mission objectives to be evaluated. Evaluates MCC performance for mission readiness, reports results, and monitors corrective action.

### SIMULATION DIVISION

Provides CSTC focal point for simulation system planning, integration, and the coordination of simulation training with SPOs and NASA. Manages the development of simulation software for new satellite programs. Attends design reviews, reviews specifications and other technical data, and supports software testing to identify simulation training requirements. Develops, tracks, and validates simulation data bases. Develops scripts and scenarios and conducts simulation training on the Telemetry Simulation System (TSS). Assesses MCC performance during simulation training and conducts "lessons learned" follow-up. Prepares and coordinates exercise summary reports. Conducts CSCI 235 user's group training and monitors and coordinates simulation training conducted with MCCs.

TECHNICAL TRAINING DIVISION

Develops and conducts all initial and qualification formal classroom technical training in support of the CSTC Training Directorate. Reviews and validates all requests for technical training. Administers a position certification program for all CSTC technical personnel. Administers the technical training quality assurance (QA) program. Prepares quarterly QA and award fee reports, and participates on award fee boards for training contracts. Administers the CSTC acquisition management training program. Manages CSTC training development. Reviews all engineering change requests to ensure adequate support training. Prepares contract action requests to initiate required training development support.

**COMMANDER, CONSOLIDATED SPACE TEST ORGANIZATION**

## OPERATIONS SUPPORT OFFICE

Responsible for overall planning and integration of new programs and modifications to the Consolidated Space Test Center. Directs studies to define implementation options and to optimize system utilization. Identifies development, manpower, communications, and facilitates support requirements for new systems. Collects and validates network user support requirements and develops network architecture to satisfy these requirements. Similarly, processes CSTC internally generated requirements. Single point of contact for all external organizations concerning expertise relating to integration, evaluation, and transition of systems, projects, etc., into the CSTC. Maintains currency in space technology to identify technological goals which will allow CSTC to incorporate advanced development into its satellite control capabilities. Advises and assists the Directorate of Test Operations in planning for future upgrades and modifications. Provides assistance to Directorate of Test Operations regarding the transition of satellite operations to data systems modernization. Responsible for the timely review of all hardware and software changes effecting satellite operations. Ensures standardization of operational activities and functions. Manages the operational review of Air Force Satellite Control Network (AFSCN) documentation and procedures.

# **EXPENDABLE LAUNCH VEHICLES**